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UNITED NATIONS

SECRETARIAT

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ST/SG/SER.E/1
14 April 1977

ORIGINAL: ENGLISH

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Letter dated 31 March 1977 from the Permanent Representative of the United States addressed to the Secretary-General

In accordance with the provisions of the Convention on Registration of Objects Launched into Outer Space of 15 September 1976, I enclose registration data concerning objects launched into orbit or beyond by the United States of America.

With these additions and deletions, Your Excellency will have received for the Committee on the Peaceful Uses of Outer Space and for the Public Registry, a complete registry of all United States space vehicles in orbit or beyond as of 31 December 1976.

(Signed) Andrew YOUNG

REGISTRATION DATA FOR US SPACE LAUNCHES

I. The following report supplements the registration data for the United States space launches as of 2400Z 31 October 1976

All launches were made from the territory of the United States unless otherwise specified

International designation	Date of launch	Nodal period	Inclination	Apogee (km)	Perigee (km)	General function of space object
New objects in orbit						
1976-101A	Oct 14	1436.2	2.6	36525	35051	Space craft engaged in practical applications and uses of space technology such as weather or communication
1976-101B	Oct 14	90.8	28.5	456	174	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1976-101C	Oct 14	90.4	28.5	422	170	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1976-101D	Oct 14	90.0	28.6	377	175	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1976-101E	Oct 14	652.9	26.0	36920	184	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the previous report						
1966-056R-AJ	Jun 24	32 objects have been identified as having been launched with 1966-056A. 14 objects have previously been reported.				Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1976-091E	Sep 11	101.6	98.7	854	838	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1976-091F	Sep 11	101.6	98.7	856	858	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

The following objects were no longer in orbit as of 2400Z on 31 October 1976: 1962-A ALPHA 5
1969-082JL

The following revision should be made in the report of June 1976:

Objects 1976-050A orbital parameters were erroneously reported in nautical miles. Apogee and perigee in kilometres should read 39,192 and 311.

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II. The following report supplements the registration data for the United States space launches as of 2400Z 30 November 1976

All launches were made from the territory of the United States unless otherwise specified

International designation	Date of launch	Nodal period	Inclination	Apogee (km)	Perigee (km)	General function of space object
New objects in orbit None						
The following objects not previously reported have been identified since the previous report						
1973-086FW-FX	Nov 6	165 objects have been identified as having been launched with 1973-086A. 163 objects have previously been reported.				Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1975-004FF-FQ	Jan 22	158 objects have been identified as having been launched with 1975-004. 148 objects have previously been reported.				Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1976-091G	Sep 11	101.0	98.7	848	825	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

The following object not previously reported was identified since the previous report but was no longer in orbit as of 2400Z on 30 November 1976: 1974-094E

The following objects were no longer in orbit as of 2400Z on 30 November 1976: 1961-OMI-24B
1961-OMICRON-250
1961-SIGMA-5
1962-KAPPA-6
1963-014BK
1963-014BV
1963-014BZ
1963-014DC
1967-001U
1973-027H
1975-038B
1976-098A
1976-101B
1976-101C
1976-101D

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III. The following report supplements the registration data for the United States space launches as of 31 December 1976

All launches were made from the territory of the United States unless otherwise specified

International designation	Date of launch	Nodal period	Inclination	Apogee (km)	Perigee (km)	General function of space object
New objects in orbit						
1976-125A	Dec 19	92.3	96.9	531	246	Space craft engaged in investigation of spaceflight techniques and technology
1976-125B	Dec 19	92.2	96.9	516	243	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1976-125C	Dec 19	92.5	96.9	556	239	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1976-125D	Dec 19	92.4	97.0	547	243	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the previous report:						
1975-004FR-FX	Jan 22	165 objects have been identified as having been launched with 1975-004A. 158 objects have previously been reported.				Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

The following objects were no longer in orbit as of 2400Z on 31 December 1976: 1963-014CG
1966-034C
1973-086FP
1976-029B
1976-065A

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UNITED NATIONS

SECRETARIAT

77-07713

REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States space launches as of 2400Z 31 January 1977

International designation	Date of launch	Nodal period	Inclination	Apogee (km)	Perigee (km)	General function of space object
New objects in orbit						
1977-009A	28 Jan.	1143.3	2.8	35 962	35 463	Space craft engaged in practical applications and uses of space technology such as weather or communications
1977-009B	28 Jan.	104.1	28.8	1 502	615	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1977-009C	28 Jan.	633.6	27.0	37 302	194	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the previous report:						
1963-014CE	9 May	262.6	85.1	6 134	585	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1970-025BK-KB	8 Apr.	323 objects have been identified as having been launched with 1970-025A and B. 319 objects have previously been reported.				Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1972-059BK-EW	23 Jul.	212 objects have been identified as having been launched with 1972-059A. 200 objects have previously been reported.				Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1973-086FY-QC	6 Nov.	170 objects have been identified as having been launched with 1973-086A. 165 objects have previously been reported.				Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1975-004FY-ED	22 Jan.	191 objects have been identified as having been launched with 1975-004A. 165 objects have previously been reported.				Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1976-039K	30 Apr.	107.1	63.4	1 115	1 072	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following object not previously reported was identified since the previous report but was no longer in orbit as of 2400Z on 31 January 1977:						
1966-056AK-CY	24 June					Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

The following objects were no longer in orbit as of 2400Z on 31 January 1977:

1963-014AM
1963-014CP
1966-056P
1969-082JJ
1969-082JT
1974-101D
1975-004BG
1975-004DC
1975-004DL
1975-004DY

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UNITED NATIONS

SECRETARIAT

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ST/SG/SER.E/3
7 July 1977

ORIGINAL: ENGLISH

COMMITTEE ON THE PEACEFUL USES
OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION
ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Letter dated 21 June 1977 from the Permanent Representative
of the United States addressed to the Secretary-General

I am happy to enclose certain registration data concerning objects launched into orbit or beyond by the United States. This submission is in accordance with the 1975 Convention on Registration of Objects Launched into Outer Space.

With the additions and deletions contained in the current submission, you wil have received for the register information concerning all United States space objects launched into orbit or beyond as of 30 April 1977.

(Signed) Andrew YOUNG

REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

I. The following report supplements the registration data for the United States space launches as of 2400Z 28 February 1977

All launches were made from the territory of the United States unless otherwise specified

International designation	Date of launch	Nodal period	Inclination	Apogee (km)	Perigee (km)	General function of space object
New objects in orbit						
1977-007A	Feb. 6	1436	0.05	35755	35532	Spacecraft engaged in investigation of spaceflight techniques and technology
1977-007C	Feb. 6	1435	0.10	37800	37750	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1977-007D	Feb. 6	1435	0.10	37800	37750	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the previous report:						
1965-082UJ	Oct. 15	109.8	31.0	2141	295	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1973-086GD	Nov. 6	171 objects have been identified as having been launched with 1973-086A. 170 objects have previously been reported.				Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1977-005D-F	Jan. 28	CURRENT ELEMENTS NOT MAINTAINED				Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following object achieved orbit since the previous report but was no longer in orbit as of 2400Z on 28 February 1977:						
1977-007B	Feb. 6					Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

The following objects were no longer in orbit as of 2400Z on 28 February 1977:

1972-058B
1972-058F
1972-058GB
1975-004N
1975-004CW
1975-004DZ
1976-125C.
1976-125D

Supplemental information

The following revision should be made in the report of January 1977: add under the heading: "The following objects not previously reported have been identified since the previous report":

1974-089DU-EA	Nov. 15	118 objects have been identified as having been launched with 1974-089A, B and C. 111 objects have previously been reported	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

.../

II. The following report supplements the registration data for the United States space launches as of 2400Z on 31 March 1977

All launches were made from the territory of the United States unless otherwise specified

International designation	Date of launch	Nodal period	Inclination	Apogee (km)	Perigee (km)	General function of space object
New objects in orbit						
1977-018A	Mar. 10	1451.2	0.1	36250	35915	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1977-018B	Mar. 10	645.6	24.7	36499	231	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1977-018C	Mar. 10	116.6	28.6	2871	188	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1977-018D	Mar. 10	117.2	28.7	2923	186	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1977-018E	Mar. 10	117.2	28.6	2923	186	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1977-019A	Mar. 13	89.1	96.4	329	141	Spacecraft engaged in investigation of spaceflight techniques and technology

The following objects were no longer in orbit as of 2400Z on 31 March 1977:

1966-056R
1966-056U
1969-045B
1972-058FK

Supplemental information

The following revision should be made in the report of February 1977: add under the heading: "The following objects were no longer in orbit as of 2400Z on 31 March 1977":

1966-056J
1966-056M
1966-056T

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III. The following report supplements the registration data for the United States space launches as of 2400Z on 30 April 1977

All launches were made from the territory of the United States unless otherwise specified

International designation	Date of launch	Nodal period	Inclination	Apogee (km)	Perigee (km)	General function of space object
New objects in orbit						
1977-029A	Apr. 20	720.1	26.2	38357	2111	Spacecraft engaged in research and exploration of the upper atmosphere or outer space
1977-029C	Apr. 20	227.3	26.0	11682	238	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects achieved orbit since the previous report but were no longer in orbit as of 2400Z on 30 April 1977:						
1977-029B	Apr. 20					Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1977-029D	Apr. 20					Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

The following objects were no longer in orbit as of 2400Z on 30 April 1977:

1962-014AF
1963-014BM
1963-014BW
1966-025F
1966-056L
1969-068B
1972-058HV
1974-101C
1975-004K
1975-004DM
1975-004EZ

Supplemental information

The following revision should be made in the report of February 1977: add under the heading: "The following objects were no longer in orbit as of 2400Z on 30 April 1977":

1966-056V
1966-056AB

UNITED NATIONS

SECRETARIAT

ST

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ST/SG/SER.E/4
19 October 1977

ORIGINAL: ENGLISH

COMMITTEE ON THE PEACEFUL USES
OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION
ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 12 October 1977 from the Permanent Representative of the United States addressed to the Secretary-General

The Representative of the United States of America to the United Nations presents his compliments to the Secretary-General of the United Nations and has the honour to enclose certain registration data concerning objects launched into orbit or beyond by the United States. This submission is in accordance with the 1975 Convention on Registration of Objects Launched into Outer Space.

With additions and deletions contained in the current submission, you will have received for the Register information concerning all United States space objects launched into orbit or beyond as of 31 May 1977.

77-19998

REGISTRATION DATA FOR US SPACE LAUNCHES

The following report supplements the registration data for the United States Space Launches as of 2400Z on 31 May 1977

All launches were made from the territory of the United States unless otherwise specified

International designation	Date of launch	Nodal period	Inclination	Apogee (km)	Perigee (km)	General Function of Space Object
New Objects in Orbit						
1977-034A	12 May	1 428	2.5	35 700	36 600	Spacecraft engaged in practical applications and uses of space technology such as weather or communications.
1977-034B	12 May	1 444	2.5	38 800	38 790	Spacecraft engaged in practical applications and uses of space technology such as weather or communications.
1977-034C	12 May	1 428	2.5	35 700	35 600	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects.
1977-038A	23 May	739	27.1	40 980	191	Spacecraft engaged in investigation of spaceflight techniques and technology.
1977-038B	23 May	739	27.1	40 980	191	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects.
1977-041A	26 May	1 425	0.3	35 755	35 346	Spacecraft engaged in practical applications and uses of space technology such as weather or communications.
1977-041B	26 May	651.5	21.8	36 471	563	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects.
The following objects not previously reported have been identified since the previous report:						
1966-034E	22 Apr.	145.1	82.4	5 192	356	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects.
1969-082KL	30 Sept.	101.5	69.9	950	719	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects.
1970-025NP	8 Apr.	324 objects have been identified as having been launched with 1970-025A and -025B. 323 objects have previously been reported.				Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects.
1972-058HX-HZ	23 July	215 objects have been identified as having been launched with 1972-058A. 212 objects have previously been reported.				Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects.

International designation	Date of launch	Nodal period	Inclination	Apogee (km)	Perigee (km)	General Function of Space Object
1973-086GE-GJ	6 Nov.	176 objects have been identified as having been launched with 1973-086A. 171 objects have previously been reported.				Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects.
1974-089EB-EG	15 Nov.	124 objects have been identified as having been launched with 1974-089A, -089B, and -089C. 118 objects have previously been reported.				Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects.
1975-004HC-HE	22 Jan.	196 objects have been identified as having been launched with 1975-004A. 193 objects have been previously reported.				Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects.
1976-038L	30 Apr.	107.1	63.4	1 120	1 065	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects.
The following object not previously reported was identified since the previous report but was no longer in orbit as of 2400Z on 31 May 1977:						
1977-019B	13 Mar.	88.5	96.4	273	131	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects.
The following object achieved orbit since the previous report but was no longer in orbit as of 2400Z on 31 May 1977:						
1977-034D	12 May	89.1	28.6	297	156	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects.

The following objects were no longer in orbit as of 2400Z on 31 May 1977:

1962-KAPPA 5
1965-082TZ
1967-072C
1972-058DN
1975-004DR
1976-125B
1977-019A

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UNITED NATIONS

SECRETARIAT

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ST/SG/SER.E/5
6 December 1977

ORIGINAL: ENGLISH

COMMITTEE ON THE PEACEFUL USES
OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION
ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 28 November 1977 from the Permanent Representative of the United States of America addressed to the Secretary-General

The Representative of the United States of America to the United Nations presents his compliments to the Secretary-General of the United Nations and has the honour to enclose certain registration data concerning objects launched into orbit or beyond by the United States. This submission is in accordance with the 1975 Convention on Registration of Objects Launched into Outer Space.

With additions and deletions contained in the current submission, you will have received for the Register information concerning all United States space objects launched into orbit or beyond as of 31 August 1977.

REGISTRATION DATA FOR US SPACE LAUNCHES

I. The following report supplements the registration data for the United States Space Launches as of 2400Z on 30 June 1977

All launches were made from the territory of the United States unless otherwise specified

International Designation	Date of Launch	Nodal Period	Inclination	Apogee (km)	Perigee (km)	General Function of Space Object
New objects in orbit						
1977-044A	Jun 5	101.7	99.2	864	817	Spacecraft engaged in investigation of spaceflight techniques and technology
1977-044B	Jun 5	101.5	99.2	866	806	Spent boosters, spent maneuvering stages, shrouds and other nonfunctional objects
1977-044C	Jun 5	101.5	99.2	868	805	Spent boosters, spent maneuvering stages, shrouds and other nonfunctional objects
1977-044D	Jun 5	101.5	99.2	864	803	Spent boosters, spent maneuvering stages, shrouds and other nonfunctional objects
1977-048A	Jun 16	1436.1	0.9	36306	35268	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1977-048B	Jun 16	109	28.4	1786	571	Spent boosters, spent maneuvering stages, shrouds and other nonfunctional objects
1977-048C	Jun 16	93	28.3	667	172	Spent boosters, spent maneuvering stages, shrouds and other nonfunctional objects
1977-048E	Jun 16	93	28.3	669	175	Spent boosters, spent maneuvering stages, shrouds and other nonfunctional objects
1977-048F	Jun 16	655.9	23.8	37073	185	Spent boosters, spent maneuvering stages, shrouds and other nonfunctional objects
1977-053A	Jun 23	351.8	63.1	20103	162	Spacecraft engaged in investigation of spaceflight techniques and technology
1977-056A	Jun 27	88.3	97	227	173	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

The following objects achieved orbit since the last report but were no longer in orbit as of 2400Z on June 30, 1977

1977-048D	Jun 16
1977-056B	

.../

The following objects were no longer in orbit as of 2400Z on 30 June 1977: 1974-070A
1975-004AM

Supplemental Information:

The following revisions should be made as indicated:

Add under category 5: for April 1977 report: 1966-056AG
for May 1977 report : 1966-056Q

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II. The following report supplements the registration data for the United States Space Launches as of 2400Z on 31 July 1977

All launches were made from the territory of the United States unless otherwise specified

International Designation	Date of Launch	Nodal Period	Inclination	Apogee (km)	Perigee (km)	General Function of Space Object
New Objects in Orbit						
1977-065B	Jul 14	109.0	28.9	1862	496	Spent boosters, spent maneuvering stages, shrouds and other nonfunctional objects
1977-065C	Jul 14	92.9	28.5	658	175	Spent boosters, spent maneuvering stages, shrouds and other nonfunctional objects
1977-065D	Jul 14	652.0	27.2	36867	195	Spent boosters, spent maneuvering stages, shrouds and other nonfunctional objects

The following objects were no longer in orbit as of 2400Z on 31 July 1977: 1962-B-PS-15
1975-004CN
1975-004EM
1977-048C
1977-048E

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III. The following report supplements the registration data for the United States Space Launches as of 2400Z on 31 August 1977

All launches were made from the territory of the United States unless otherwise specified

International Designational	Date of Launch	Nodal Period	Inclination	Apogee (km)	Perigee (km)	General Function of Space Object
New Objects in Orbit						
1977-075A	Aug 12	93.5	22.8	455	433	Spacecraft engaged in research and exploration of the upper atmosphere or outer space
1977-075B	Aug 12	91.5	22.8	373	326	Spent boosters, spent maneuvering stages, shrouds and other nonfunctional objects
1977-076A	Aug 20	SOLAR SYSTEM ESCAPE TRAJECTORY				Spacecraft engaged in research and exploration of the upper atmosphere or outer space
1977-076B	Aug 20	HELIOCENTRIC ORBIT				Spent boosters, spent maneuvering stages, shrouds and other nonfunctional objects
1977-076C	Aug 20	HELIOCENTRIC ORBIT				Spent boosters, spent maneuvering stages, shrouds and other nonfunctional objects
1977-080B	Aug 25	115.6	27.1	2093	868	Spent boosters, spent maneuvering stages, shrouds and other nonfunctional objects
1977-080C	Aug 25	659.9	23.0	37215	246	Spent boosters, spent maneuvering stages shrouds and other nonfunctional objects
1977-080D	Aug 25	98.8	28.0	1188	211	Spent boosters, spent maneuvering stages shrouds and other nonfunctional objects
1977-080E	Aug 25	98.9	28.0	1206	207	Spent boosters, spent maneuvering stages shrouds and other nonfunctional objects
The following object not previously reported has been identified since the previous report						
1977-065E-DL	Jul 14	106 objects have been identified as having been launched with 1977-065A. 3 objects have previously been reported				Spent boosters, spent maneuvering stages shrouds and other nonfunctional objects

The following objects were no lonter in orbit as of 2400Z on 31 August 1977: 1965-108G
1974-089DP
1976-053B

UNITED NATIONS

SECRETARIAT

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ST/SG/SER.E/6
18 January 1978

ORIGINAL: ENGLISH

COMMITTEE ON THE PEACEFUL
USES OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION
ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Letter dated 4 January 1978 from the Permanent Representative
of the United States addressed to the Secretary-General

I am happy to enclose certain registration data concerning objects launched into orbit or beyond by the United States. This submission is in accordance with the 1975 Convention on Registration of Objects Launched into Outer Space.

With the additions and deletions contained in the current submission, you will have received for the Register information concerning all United States space objects launched into orbit or beyond as of 31 October 1977.

(Signed) Andrew YOUNG

REGISTRATION DATA FOR US SPACE LAUNCHES

I. The following report supplements the registration data for the United States space launches as of 2400Z on 30 September 1977

All launches were made from the territory of the United States unless otherwise specified

International designation	Date of launch	Nodal period	Inclination	Apogee (km)	Perigee (km)	General function of space object
New objects in orbit						
1977-084A	Sep 5	SOLAR SYSTEM ESCAPE TRAJECTORY				Spacecraft engaged in research and exploration of the upper atmosphere or outer space. Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects. Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects. Spacecraft engaged in investigation of space flight techniques and technology.
1977-084B	Sep 5	HELIOCENTRIC ORBIT				
1977-084C	Sep 5	HELIOCENTRIC ORBIT				
1977-094A	Sep 23	89.1	96.5	335	134	
The following object not previously reported was identified since the previous report						
1977-065DM-DX	Jul 14	117 objects have been identified as having been launched with 1977-065A. 106 objects have previously been reported.				Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects.

The following objects were no longer in orbit as of 2400Z on 30 September 1977: 1965-007B
1965-082DB
1970-098B
1974-101E

The following objects were launched since the previous report but did not achieve orbit

OTS	Sep 13
Intelsat	Sep 29

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II. The following report supplements the registration data for the United States space launches as of 2400Z on 31 October 1977

All launches were made from the territory of the United States unless otherwise specified

International designation	Date of launch	Nodal period	Inclination	Apogee (km)	Perigee (km)	General function of space object
New objects in orbit						
1977-102A	Oct 22	3456.7	28.8	138418	286	Spacecraft engaged in research and exploration of the upper atmosphere or outer space. Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects. Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects. Spacecraft engaged in practical applications and uses of space technology such as weather or communications. Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects.
1977-102C	Oct 22	96.0	28.7	853	278	
1977-102D	Oct 22	3552.3	28.8	141204	278	
1977-106A	Oct 28	106.9	89.9	1110	1068	
1977-106B	Oct 28	106.9	89.9	1107	1071	
The following objects not previously reported have been identified since the previous report						
1973-086GK	Nov 6	177 objects have been identified as having been launched with 1973-086A. 176 objects have previously been reported.				Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects.
1974-089EH-EJ	Nov 15	126 objects have been identified as having been launched with 1974-089A, B and C. 124 objects have previously been reported.				Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects.
1975-004HF	Jan 22	197 objects have been identified as having been launched with 1975-004A. 196 objects have previously been reported.				Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects.
1977-65DY-DZ	Jul 14	119 objects have been identified as having been launched with 1977-065A. 117 objects have previously been reported.				Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects.

The following objects were no longer in orbit as of 2400Z on 31 October 1977: 1968-017E
1974-040B
1975-004DP
1977-018D

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UNITED NATIONS

SECRETARIAT

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ST/SG/SER.E/7
15 May 1978

ORIGINAL: ENGLISH

COMMITTEE ON THE PEACEFUL
USES OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION
ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 5 May 1978 from the Permanent Representative of the United States addressed to the Secretary-General

The Representative of the United States of America to the United Nations presents his compliments to the Secretary-General of the United Nations and has the honour to enclose certain registration data concerning objects launched into orbit or beyond by the United States. This submission is in accordance with the 1975 Convention on Registration of Objects Launched into Outer Space.

With additions and deletions contained in the current submission, you will have received for the Register information concerning all United States space objects launched into orbit or beyond as of 28 February 1978.

REGISTRATION DATA FOR US SPACE LAUNCHES

I. The following report supplements the registration data for the United States Space Launches as of 2400Z on 30 November 1977

All launches were made from the territory of the United States unless otherwise specified

International Designation	Date of Launch	Nodal Period	Inclination	Apogee (km)	Perigee (km)	General Function of Space Object
New Objects in Orbit						
1977-108B	Nov 23	117.1	28.3	2612	487	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects.
The following objects not previously reported have been identified since the previous report						
1977-065EA 065ES	July 14	136 Objects have been identified as having been launched with 1977 065A. 119 Objects have previously been reported.				Spent boosters, spent maneuvering stages, shrouds and other non-functional objects.

The following objects not previously reported were identified since the previous report but were no longer in orbit as of 2400Z on 30 November 1977: NONE

The following objects achieved orbit since the previous report but were no longer in orbit as of 2400Z on 30 November 1977: NONE

The following objects were no longer in orbit as of 2400Z on 30 November 1977: 1972-058GP
1975-004FF
1975-004HA
1977-065BW
1977-075B

SUPPLEMENTAL INFORMATION:

The following objects were launched since the previous report but did not achieve orbit: NONE

THE FOLLOWING REVISION SHOULD BE MADE IN THE REPORTS LISTED BELOW

Report of May 1977 - 1976-101E should be added to Objects No Longer in Orbit.

Report of Oct 1977 - 1975-004FJ should be added to Objects No Longer in Orbit.

II. The following report supplements the registration data for the United States Space Launches as of 2400Z on 31 December 1977

All launches were made from the territory of the United States unless otherwise specified

International Designation	Date of Launch	Nodal Period	Inclination	Apogee (km)	Perigee (km)	General Function of Space Object
New Objects in Orbit						
1977-112A	Dec 8	107.5	63.3	1118	1103	Spacecraft engaged in investigation of space flight techniques and technology.
1977-112B	Dec 8	107.5	63.3	1115	1101	Spent boosters, spent maneuvering stages, shrouds and other nonfunctional objects.
1977-112C	Dec 8	107.6	63.4	1180	1055	Spent boosters, spent maneuvering stages, shrouds and other nonfunctional objects.
1977-112D	Dec 8	107.6	63.3	1185	1054	Spacecraft engaged in investigation of space flight techniques and technology.
1977-112E	Dec 8	107.5	63.4	1168	1053	Spacecraft engaged in investigation of space flight techniques and technology.
1977-114A	Dec 11	591.75	27.8	40137	6560	Spacecraft engaged in investigation of space flight techniques and technology.
1977-114B	Dec 11	591.75	27.8	40137	6560	Spent boosters, spent maneuvering stages, shrouds and other nonfunctional objects.
1977-118B	Dec 15	111.3	28.6	2088	482	Spacecraft engaged in practical applications and uses of space technology such as weather or communications.
1977-118C	Dec 15	111.3	28.6	2088	482	Spent boosters, spent maneuvering stages, shrouds and other nonfunctional objects.

The following objects are no longer in orbit as of 2400Z on 31 December 1977: 1961-0MI 249
1973-086FN
1974-101F
1975-004ET
1977-018C
1977-056A
1977-080E
1977-094A

III. The following report supplements the registration data for the United States Space Launches as of 2400Z on 31 January 1978

All launches were made from the territory of the United States unless otherwise specified

International Designation	Date of Launch	Nodal Period	Inclination	Apogee (km)	Perigee (km)	General Function of Space Object
New Objects in Orbit						
1978-002A	Jan 7	1432.4	0.4	35797	35634	Spacecraft engaged in practical applications and uses of space technology such as weather or communications.
1978-012A	Jan 26	1435.7	28.6	45887	25669	Spacecraft engaged in practical applications and uses of space technology such as weather or communications.
1978-012B	Jan 26	95.9	28.7	963	161	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects.
The following objects not previously reported have been identified since the last report:						
1977-112F	Dec 8	107.5	63.4	1165	1058	Spacecraft engaged in investigation of space flight techniques and technology.
1977-112G	Dec 8	107.6	63.4	1166	1070	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects.

The following objects were no longer in orbit as of 2400Z on 31 January 1978: 1963-014AH
1965-082BL
1965-082QL
1966-063A
1969-082GR
1970-025NP
1974-089CV
1975-004DQ

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IV. The following report supplements the registration data for the United States Space Launches as of 2400Z on 28 February 1978

All launches were made from the territory of the United States unless otherwise specified

International Designation	Date of Launch	Nodal Period	Inclination	Apogee (km)	Perigee (km)	General Function of Space Object
New Objects in Orbit						
1978-016A	Feb 9	1426.3	27.1	35666	35523	Spacecraft engaged in practical applications and uses of space technology such as weather and communications.
1978-016B	Feb 9	620.4	26.4	35263	172	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects.
1978-020A	Feb 22	718.0	63.0	20183	20183	Spacecraft engaged in investigation of space flight techniques and technology.
1978-021A	Feb 25	720.0	63.5	34272	805	Spacecraft engaged in investigation of space flight techniques and technology.
1978-021B	Feb 25	702.8	63.2	39377	311	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects.

The following objects not previously reported have been identified since the previous report:

1976-077B-077Z	July 29	23 Objects have been identified as being launched with 1976-077A				Spent boosters, spent maneuvering stages, shrouds and other non-functional objects.
1978-002B	Jan 7	651.3	21.8	36418	602	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects.
1978-012C	Jan 26	846.8	28.7	46378	164	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects.

The following objects are no longer in orbit as of 2400Z on 28 February 1978:

1965-082RM
1966-056W
1966-056X
1966-056Y
1969-082FX
1972-058HC
1972-058GK
1975-004CR
1976-089C
1977-018E
1977-065CE
1977-080D
1978-012B

UNITED NATIONS

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19 May 1978
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COMMITTEE ON THE PEACEFUL USES
OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 11 May 1978 from the Permanent Mission of the Union of Soviet Socialist Republics addressed to the Secretary-General

The Permanent Mission of the Union of Soviet Socialist Republics to the United Nations presents its compliments to the Secretary-General of the United Nations and, in conformity with article IV of the 1976 Convention on Registration of Objects Launched into Outer Space, has the honour to transmit herewith information concerning space objects launched into earth orbit or beyond by the Union of Soviet Socialist Republics during January and February 1978 and concerning objects previously launched into earth orbit which are no longer in orbit.

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN JANUARY 1978

I. In January 1978, the USSR launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period, minutes	
1	2	3	4	5	6	7	8
1207	Cosmos-974	6 January	356	188	62.8	89.6	Investigation of the upper atmosphere and outer space
1208	Soyuz-27	10 January	302	257	51.6	89.9	Delivery of the team consisting of V. A. Dzhanibekov and O. G. Makarov to Salyut-6 station to carry out scientific research
1209	Cosmos-975	10 January	680	637	81.2	97.6	Investigation of the upper atmosphere and outer space
1210-1217	Cosmos-976 to Cosmos-983 1/	10 January	1520	1452	74	115.3	Investigation of the upper atmosphere and outer space
1218	Cosmos-984	13 January	313	215	62.8	89.5	Investigation of the upper atmosphere and outer space
1219	Cosmos-985	17 January	1032	960	83	105	Investigation of the upper atmosphere and outer space
1220	Progress-1	20 January	262	194	51.6	88.8	Delivery of fuel, expendable materials and equipment to Salyut-6 station

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1	2	3	4	5	6	7	8
1221	Molniya-3	24 January	40631	661	62.8	736	Operation of the long-range telephone and telegraph radio-communications system in the USSR, transmission of USSR central television programmes to stations in the Orbita network, and international co-operation
1222	Cosmos-986	24 January	341	179	65	89.4	Investigation of the upper atmosphere and outer space
1223	Cosmos-987	31 January	359	183	62.8	89.6	Investigation of the upper atmosphere and outer space

1/ Objects 1210-1217 were launched by a single carrier rocket. All objects were launched from the territory of the USSR

II. In January 1978, the following space objects ceased to exist and were no longer in earth orbit as of 2400 hours Moscow time, 31 January:

Cosmos-159/1967-046A/
Cosmos-801/1976-012A/
Cosmos-954/1977-090A/
Soyuz-26/1977-113A/
Cosmos-969/1977-120A/
Cosmos-973/1977-124A/
Cosmos-974/1978-001A/
Cosmos-984/1978-006A/

(Signed) B. N. PETROV
Deputy Chairman of the Intercosmos Council
of the Academy of Sciences of the USSR
Academician

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN FEBRUARY 1978

I. In February 1978, the USSR launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period, minutes	
1224	Cosmos-988	8 February	363	210	72.8	89.9	Investigation of the upper atmosphere and outer space
1225	Cosmos-989	14 February	354	178	65	89.5	Investigation of the upper atmosphere and outer space
1226	Cosmos-990	17 February	824	783	74	101	Investigation of the upper atmosphere and outer space
1227	Cosmos-991	28 February	1022	972	83	104.8	Investigation of the upper atmosphere and outer space

All objects were launched from the territory of the USSR.

II. In February 1978, the following space objects ceased to exist and were no longer in earth orbit as of 2400 hours Moscow time, 28 February:

Cosmos-250/1968-095A/
Cosmos-687/1974-076A/
Cosmos-929/1977-066A/
Progress-1/1978-008A/
Cosmos-986/1978-010A/
Cosmos-987/1978-013A/
Cosmos-988/1978-015A/
Cosmos-989/1978-017A/

(Signed) B. N. PETROV
Deputy Chairman of the Intercosmos Council
of the Academy of Sciences of the USSR
Academician

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UNITED NATIONS

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ST/SG/SER.E/9
12 July 1978
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INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 19 June 1978 from the Permanent Mission of the Union of Soviet Socialist Republics addressed to the Secretary-General

The Permanent Mission of the Union of Soviet Socialist Republics to the United Nations presents its compliments to the Secretary-General of the United Nations and, in conformity with article IV of the 1976 Convention on Registration of Objects Launched into Outer Space, has the honour to transmit herewith information concerning space objects launched into earth orbit or beyond by the Union of Soviet Socialist Republics during March 1978 and concerning objects previously launched into earth orbit which are no longer in orbit.

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN MARCH 1978

I. In March 1978, the USSR launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period, minutes	
1	2	3	4	5	6	7	8
1228	Soyuz-28	2 March	309	269	51.6	90.0	Delivery to the Salyut-6 station of the first international "Intercosmos" team consisting of A. A. Gubarev (USSR) and V. Remek (Czechoslovak Socialist Republic) to carry out scientific research and experiments jointly developed by Soviet and Czechoslovak specialists
1229	Molniya-1	3 March	40 733	632	62.8	738	Operation of the long-range telephone and telegraph radio-communications system in the USSR and transmission of USSR central television programmes to stations in the Orbita network
1230	Cosmos-992	4 March	346	210	71.4	89.8	Investigation of the upper atmosphere and outer space
1231	Cosmos-993	10 March	368	182	72.9	89.7	Investigation of the upper atmosphere and outer space
1232	Cosmos-994	15 March	1 023	996	82.9	105	Investigation of the upper atmosphere and outer space

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1	2	3	4	5	6	7	8
1233	Cosmos-995	17 March	262	221	81.4	89.1	Investigation of the upper atmosphere and outer space
1234	Cosmos-996	28 March	1 021	970	82.9	104.8	Investigation of the upper atmosphere and outer space
1235	Cosmos-997 1/	30 March	230	200	51.6	88.7	Investigation of the upper atmosphere and outer space
1236	Cosmos-998 1/						
1237	Cosmos-999	30 March	376	180	71.4	89.8	Investigation of the upper atmosphere and outer space
1238	Cosmos-1000	31 March	1 024	978	83	104.9	Completion of work on a space navigation system designed to permit determination of the position of Soviet naval and fishing vessels

1/ Objects 1235 and 1236 were launched by a single carrier rocket. All objects were launched from the territory of the USSR.

II. In March 1978, the following space objects ceased to exist and were no longer in earth orbit as of 2400 hours Moscow time, 31 March:

Molniya-2/1972-075A/
Soyuz-28/1978-023A/
Cosmos-992/1978-025A/
Cosmos-993/1978-027A/
Cosmos-995/1978-030A/
Cosmos-997/1978-032A/
Cosmos-998/1978-032B/

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COMMITTEE ON THE PEACEFUL USES
OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 28 July 1978 from the Permanent Mission of the Union of Soviet Socialist Republics to the United Nations addressed to the Secretary-General

The Permanent Mission of the Union of Soviet Socialist Republics to the United Nations presents its compliments to the Secretary-General of the United Nations and in conformity with article IV of the 1976 Convention on Registration of Objects Launched into Outer Space, has the honour to transmit herewith information concerning space objects launched into earth orbit or beyond during April 1978 and also concerning objects previously launched into earth orbit which are no longer in orbit.

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR
IN APRIL 1978

1. In April 1978 the following space objects were launched by the USSR:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
1239	Cosmos-1001	4 April	249	205	51.6	88.7	Investigation of the upper atmosphere and outer space
1240	Cosmos-1002	6 April	305	209	65	89.4	Investigation of the upper atmosphere and outer space
1241	Cosmos-1003	20 April	349	185	62.8	89.6	Investigation of the upper atmosphere and outer space

All objects were launched from the territory of the USSR.

2. In April 1978 the following space objects ceased to exist and were no longer in earth orbit as of 2400 hours Moscow time, on 30 April:

Cosmos-838/1976-063A/
Cosmos-849/1976-083A/
Cosmos-999/1978-033A/
Cosmos-1001/1978-36A/
Cosmos-1002/1978-37A/

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COMMITTEE ON THE PEACEFUL USES
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INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 28 July 1978 from the Permanent Representative of the United States addressed to the Secretary-General

The Representative of the United States of America to the United Nations presents his compliments to the Secretary-General of the United Nations and has the honour to enclose certain registration data concerning objects launched into orbit or beyond by the United States. This submission is in accordance with the 1975 Convention on Registration of Objects Launched into Outer Space.

With additions and deletions contained in the current submission, you will have received for the Register information concerning all United States space objects launched into orbit or beyond as of 30 April 1978.

REGISTRATION DATA FOR US SPACE LAUNCHES

The following report supplements the registration data for the United States Space Launches as of March 31, 1978

All launches were made from the territory of the United States unless otherwise specified

International Designation	Date of Launch	Nodal Period	Inclination	Apogee (kms.)	Perigee (kms.)	General Function of Space Object
New Objects in Orbit						
1978-026A	Mar 5	103.2	99.1	917	898	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1978-026B	Mar 5	103.1	98.9	914	905	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1978-026C	Mar 5	103.2	99.1	920	903	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1978-029A	Mar 16	88.4	96.4	239	172	Spacecraft engaged in investigation of space flight techniques and technology
1978-029B	Mar 16	97.2	95.8	650	6.5	Spacecraft engaged in investigation of space flight techniques and technology
1978-029C	Mar 16	88.3	96.4	231	166	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1978-035A	Mar 31	1436.3	0.3	35,851	35,730	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1978-035B	Mar 31	649.3	21.8	36,372	549	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the previous report:						
1975-027C	Apr 9	101.5	114.9	835	829	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1975-027D	Apr 9	101.6	114.9	873	805	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1975-027E	Apr 9	101.7	114.9	845	837	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

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1976-077AA-077BS	Jul 29	64 objects have been identified as having been launched with 1976-077A. 23 objects have been previously reported.			Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1978-016B	Feb 9	634	26.4	35,978	167	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

The following objects were no longer in orbit as of 2400Z on March 31, 1978:

1965-082TY
1975-004GT
1975-099B
1976-089C
1977-065C

SUPPLEMENTAL INFORMATION:

The following revision should be made in the report of January 1978:

Add under Category 2:

1977-065ET-065FF	Jul 14	149 objects have been identified as having been launched with 1977-065A. 136 objects have been previously reported.	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

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REGISTRATION DATA FOR US SPACE LAUNCHES

The following report supplements the registration data for the United States Space Launches as of April 30, 1978

All launches were made from the territory of the United States unless otherwise specified

International Designation	Date of Launch	Nodal Period	Inclination	Apogee (kms.)	Perigee (kms.)	General Function of Space Object
New Objects in Orbit						
1978-038A	Apr 7	615.5	28.4	41411	6528	Spacecraft engaged in investigation of space flight techniques and technology
1978-038B	Apr 7	615.5	28.4	41411	6528	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1978-041A	Apr 26	96.7	97.6	639	558	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1978-041B	Apr 26	96.8	97.6	651	562	Spent boosters, spent maneuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the previous report:						
1961-AETA4	Nov 15	105.7	32.4	1104	955	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1978-020B	Feb 22	330.0	63.0	20284	163	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

The following objects were no longer in orbit as of 2400Z on April 30, 1978:

1961-OMI-256
1965-082NH
1965-082RT
1965-082TE
1966-024D
1966-056F
1968-100D
1974-040A
1974-101B
1975-004U
1975-004X
1975-004FD
1975-004GP
1975-004GT
1978-029C

The following revision should be made in the reports indicated:

May 1977	Category 5	Add 1976-004D
Oct 1977	Category 5	Add 1976-035C

UNITED NATIONS

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31 August 1978

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COMMITTEE ON THE PEACEFUL USES
OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 10 August 1978 from the Permanent Representative of the United States of America to the United Nations addressed to the Secretary-General

The representative of the United States of America to the United Nations presents his compliments to the Secretary-General of the United Nations and has the honour to enclose certain registration data concerning objects launched into orbit or beyond by the United States. This submission is in accordance with the 1975 Convention on Registration of Objects Launched into Outer Space.

With additions and deletions contained in the current submission, you will have received for the Register information concerning all United States space objects launched into orbit or beyond as of 31 May 1978.

REGISTRATION DATA FOR US SPACE LAUNCHES

The following report supplements the registration data for the United States space launches as of 31 May 1978

All launches were made from the territory of the United States unless otherwise specified

International designation	Date of launch	Nodal period	Inclination	Apogee (km)	Perigee (km)	General function of space object
New objects in orbit						
1978-042A	1 May	101.3	98.7	831	829	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1978-042B	1 May	101.4	98.7	831	822	Spent boosters, spent manoeuvering stages, shrouds and other non-functional objects
1978-042C	1 May	101.4	98.7	833	820	Spent boosters, spent manoeuvering stages, shrouds and other non-functional objects
1978-042D	1 May	101.4	98.7	833	825	Spent boosters, spent manoeuvering stages, shrouds and other non-functional objects
1978-042E	1 May	101.4	98.7	882	825	Spent boosters, spent manoeuvering stages, shrouds and other non-functional objects
1978-044B	11 May	139.8	27.9	3 523	1 567	Spent boosters, spent manoeuvering stages, shrouds and other non-functional objects
1978-044C	11 May	633.8	27.3	35 942	183	Spent boosters, spent manoeuvering stages, shrouds and other non-functional objects
1978-051A	20 May	Trans-Venus trajectory				Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1978-051B	20 May	Heliocentric orbit				Spent boosters, spent manoeuvering stages, shrouds and other non-functional objects
1978-047A	13 May	718	62.9	20 182	20 180	Spacecraft engaged in investigation of space flight techniques and technology
1978-047B	13 May	350	63.0	20 011	163	Spent boosters, spent manoeuvering stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the previous report						
1976-077BT-077DE	29 July	100 objects have been identified as having been launched with 1976-077A. 64 objects have been previously identified				Spent boosters, spent manoeuvering stages, shrouds and other non-functional objects

The following objects were no longer in orbit as of 2400Z on 31 May 1978: 1972-052C
1972-061C
1975-114B
1976-089D

UNITED NATIONS

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31 August 1978
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COMMITTEE ON THE PEACEFUL USES OF
OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION
ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 10 August 1978 from the Permanent Mission of the Union of Soviet Socialist Republics to the United Nations addressed to the Secretary-General

The Permanent Mission of the Union of Soviet Socialist Republics to the United Nations presents its compliments to the Secretary General of the United Nations and, in conformity with article IV of the 1976 Convention on Registration of Objects Launched into Outer Space, has the honour to transmit herewith information concerning space objects launched by the Union of Soviet Socialist Republics into earth orbit or beyond during May 1978 and also concerning objects previously launched into earth orbit which are no longer in orbit.

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED IN MAY 1978

1. In May 1978 the following space objects were launched by the USSR:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
1242	Cosmos-1004	5 May	311	213	62.8	89.4	Investigation of the upper atmosphere and outer space
1243	Cosmos-1005	12 May	672	626	81.2	97.6	Investigation of the upper atmosphere and outer space
1244	Cosmos-1006	12 May	417	383	65.8	92.5	Investigation of the upper atmosphere and outer space
1245	Cosmos-1007	16 May	384	180	72.9	89.8	Investigation of the upper atmosphere and outer space
1246	Cosmos-1008	17 May	551	501	74	95.1	Investigation of the upper atmosphere and outer space
1247	Cosmos-1009	19 May	1378	971	66	109	Investigation of the upper atmosphere and outer space
1248	Cosmos-1010	23 May	257	218	81.4	89	Investigation of the upper atmosphere and outer space
1249	Cosmos-1011	23 May	1026	978	82.9	104.9	Investigation of the upper atmosphere and outer space
1250	Cosmos-1012	25 May	280	214	62.8	89.2	Investigation of the upper atmosphere and outer space

All objects were launched from the territory of the USSR.

2. In May 1978 the following space objects ceased to exist and were no longer in earth orbit as of 2400 hours Moscow time, on 31 May:

Cosmos-1003/1978-040A

Cosmos-1004/1978-043A

Cosmos-1007/1978-048A